

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/046719 A1

(51) International Patent Classification⁷: **A61K 39/00**,
38/17

(74) Agent: BEN-AMI, Paulina; Ben-Ami & Associates, P.O.
BOX 94, 76100 Rehovot (IL).

(21) International Application Number:
PCT/IL2004/001037

(22) International Filing Date:
11 November 2004 (11.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/518,627 12 November 2003 (12.11.2003) US
60/610,966 20 September 2004 (20.09.2004) US

(71) Applicant (for all designated States except US): YEDA
RESEARCH AND DEVELOPMENT CO. LTD.
[IL/IL]; at the Weizmann Institute of Science, P.O. BOX
95, 76100 Rehovot (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): EISEN-
BACH-SCHWARTZ, Michal [IL/IL]; 5 Rupin Street,
76353 Rehovot (IL). YOLES, Ester [IL/IL]; 94, D.N. Na-
hal Soreq, 76880 Moshav Beit Gamliel (IL). BUTOVSKY,
Oleg [IL/IL]; 28/25 Mivtza Asaf Street, 84496 Beer Sheva
(IL). KIPNIS, Jonathan [IL/IL]; 3/1 Nahar Hayarden
Street, 71700 Modiin (IL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: VACCINE AND METHOD FOR TREATMENT OF NEURODEGENERATIVE DISEASES

(57) Abstract: Methods and compositions are provided for treatment of neurodegenerative diseases in which there is accumulation of misfolded and/or aggregated proteins, excluding prion diseases. In particular, the invention relates to treatment of the neurodegenerative diseases Huntington's disease (HD), Alzheimer's disease (AD) or Parkinson's disease (PD), by administration of an agent selected from the group consisting of (i) Copolymer 1, (ii) a Copolymer 1-related peptide, (iii) a Copolymer 1-related polypeptide, and (iv) T cells activated with (i), (ii) or (iii).

WO 2005/046719 A1